Site Visit Report for Portage Creek/Kalamazoo River Superfund Site Kalamazoo, Michigan February 3, 1998

NAME	COMPANY/ORGANIZATION	PHONE
Joseph Shields	U.S. Army Corps of Engineers	402,293,2535
Chuck Malin	U.S. Army Corps of Engineers	402.293.2528
Jim Beran	U.S. Army Corps of Engineers	402 221.7748
Scott Cornelius	Michigan Department of Natural Resources	517.373.7367
Brad Stimple	U.S. Environmental Protection Agency	312,886,0406
Gregory Peterson	LTI Environmental Engineering	313.332.1200
John Peterson	LTI Environmental Engineering	313,332,1200
Matthew Crain	Roy F. Weston, Inc.	847.918.4043
Jim Dougherty	Roy F Weston, Inc.	610.701.3910
Elizabeth Fisk	Roy F Weston, Inc.	847 918.4006

Narrative of existing site conditions:

The subject site is the former Bryant Mill Pond section of Portage Creek effected by Allied Paper, Inc. operations. The project site is approximately 51 acres. The general area includes an one half mile portion of Portage Creek, its flood plain, a Type III landfill, and settling lagoons (HRDLs and FRDLs). These lagoons were used to treat the paper pulp waste waters. Also, onsite are two clarifiers and three holding tanks.

Portage Creek and its flood plain contain PCB contaminated sludges from the de-inking process of carbonless copy paper. The flood plain is heavily vegetated and the ground is saturated due to a high water table. PCB clay deposits can be seen on the roots of existing vegetation as well as along the banks of the creek. The lagoons (called HRDLs and FRDLs) also contain PCB contaminated sludges, runoff, water, and ice. Remnants of snow and ice cover portions of the site

Within the creek channel are fallen tree limbs, weeds, and some litter. The water level in the creek was high due to a recent snow melt. The roads within the Bryant Mill Pond Site are composed of concrete and dirt. At the edge of the cleanup site, near Alcott Road, is a water control structure (dam). Across Alcott Road is the Allied Paper Mill.

The Bryant Mill Clarifier contains approximately eight (8) feet of sludge according to Greg Peterson. West of the Bryant Mill Clarifier are three water holding tanks which are currently being utilized for water treatment activities. The Monarch Clarifier is located near the boundary of the proposed cleanup area at the southern end of the site

An excavating company, Fretco Excavating, is currently utilizing space from Allied Paper, Inc. in return for site maintenance

Points of contact (Site Security):

Greg Peterson from LTI Environmental Engineering, provided access to the site through the gate off of Alcott Road. Greg Peterson accompanied us during the site visit and answered questions concerning the site and his client.

Local COE contacts:

The representatives from the Corps of Engineers were Joe Shields, PE, Chuck Malin, OSR, and Jim Beran, Chemist. Joe Shields is designated as the main point of contact.

Security Restrictions:

Not applicable

Local Weather Conditions:

The weather for the site visit on February 3, 1998, was sunny with temperatures between 30°F and 35°F with a slight breeze

Access to site:

The access to the site was gained through the secured gate located off of Alcott Road. Greg Peterson from LTI Environmental Engineering provided entrance into the site and accompanied us on the site visit

Utilities available/obstructions:

In the future, possible obstructions include the overhead power lines and the water treatment pipe which is located along the western side of the creek. These items may have to be removed to gain access to the creek. General utilities required for onsite facilities seem to be readily available.

Office, phone, electricity, lodging availability:

Office and phones are not existing. These will have to be brought into the site as well as electricity. There are a number of lodging alternatives available. Lodging was not defined for the task order, future visits will define lodging.

Special Environmental Concerns:

Environmental concerns for the former Bryant Mill Pond site are as follows:

- PCB contamination of sediments contained within the site
- PCB contamination of water
- Treatment of contaminated water prior to discharge to Portage Creek or to meet a discharge criteria of 0.01 parts per million (ppm) of PCB
- Downstream migration of contaminated sediments will need to be addressed by use of silt curtains and/or other sediment control devices
- Potential air emissions
- Dust from road usage

Special Safety concerns, level required:

Level D protection is anticipated for project activities. Air monitoring will be used to upgrade protection if analyses warrant.

Existing drawing and reports:

The existing drawings and reports were obtained from Brad Stimple of the USEPA.

Local contact for background info:

The local contact for background information is Scott Cornelius of the Michigan Department of Natural Resources (MDNR)

Define construction tasks/crew sizes:

A tentative Scope of Work (SOW) was agreed upon by the Corps of Engineers and WESTON. The SOW topics include.

- Development of a work plan (includes SSHP_Sampling Plan, and CQCP)
- Aerial photograph of the site
- Clear and grub wetlands and lagoons (may be performed by PRP)
- Establish haul roads
- Rechannelize creek during work
- Excavate sediments
- Identify surface water drainage points

- Disposal of sediments in FRDLs and HRDLs
- Backfill all excavated areas
- Treatment of water (bag filters, carbon, and/or modular tanks)
- Shape bottom of FRDLs and HRDLs
- Install silt curtains along creek; monitor effectiveness to eliminate release
- Minor restoration

Nearest disposal facility:

No off-site waste disposal is anticipated.

Availability of scales:

Scales will not normally be needed. If scales are necessary for backfill, local vendors will be identified

Preliminary estimate:

The preliminary estimate will be prepared during the drafting of the Work Plan.

Manifests signatures from generator:

Manifest requirements are not anticipated due to onsite consolidation.

Contract type:

The contract type is cost plus fixed fee.

Photographs taken:

Photographs were taken during the site visit. See Attachment A.

Prepared by

ROY F. WESTON, INC.

Elizabeth J. Fisk Project Engineer

Matthew T Crain Senior Project Manager ATTACHMENT A PHOTO LOG



PHOTO #1: ENTRANCE TO BRYANT MILL POND SITE.



PHOTO #2: WATER CONTROL STRUCTURE LOCATED OFF OF ALCOTT ROAD.



PHOTO #3: PAPER PULP WASTE ALONG EASTERN CREEK BANK.



PHOTO #4: PORTAGE CREEK LOOKING UPSTREAM.



PHOTO #5: PAPER PULP WASTE ALONG WESTERN CREEK BANK.

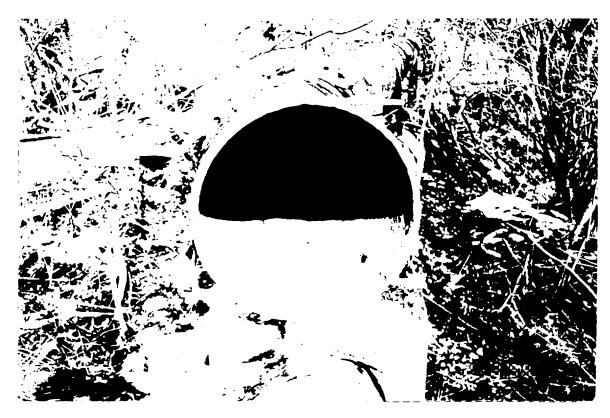


PHOTO #6: PROCESS LINE LOCATED ALONG WESTERN FLOOD PLAIN PERIMETER.



PHOTO #7: SURFACE DRAINAGE POINT—DISCHARGES INTO WESTERN FLOOD PLAIN



PHOTO #8: "PINCH POINT" LOOKING SOUTH.



PHOTO #9: WESTERN FLOOD PLAIN LOOKING SOUTH.



PHOTO #10: WESTERN FLOOD PLAIN, LOCATED DIRECTLY NORTH OF TYPE III LANDFILL.



PHOTO #11: PORTAGE CREEK LOOKING SOUTH, NEAR UPSTREAM EXCAVATION LIMIT.



PHOTO #12: PORTAGE CREEK LOOKING NORTH, NEAR EXCAVATION LIMIT UPSTREAM.



PHOTO #13: MONARCH CLARIFIER.

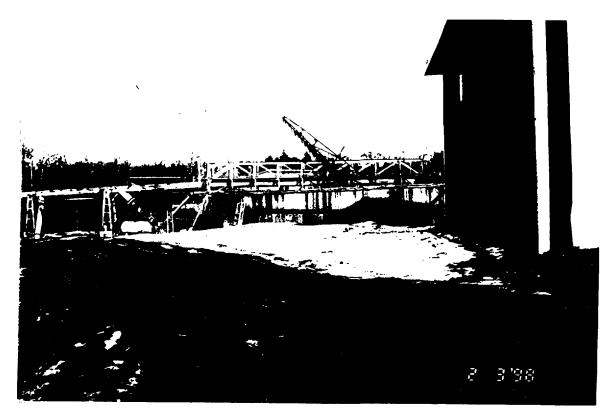


PHOTO #14: BRYANT MILL CLARIFIER.



PHOTO #15: HOLDING TANKS FOR EXISTING WATER TREATMENT SYSTEM.



PHOTO #16: BRYANT MILL HRDL LOOKING NORTHWEST.



PHOTO #17: EXAMPLE OF BRYANT MILL FRDL LOOKING SOUTHWEST.

LETTER OF TRANSMITTAL

JOB NO: 03886-515-001-0120-00 DATE February 19, 1998 **ROY F. WESTON, INC.** ATTENTION, Joseph R Shields, PE 3 HAWTHORN PARKWAY - SUITE 400 RE Site Visit Report **VERNON HILLS, IL 60061-1450** 847-918-4000 FAX 847-918-4055 TO: Joseph Shields, PE, USACE, Omaha District P.O. Box 13287 Offutt AFB, NE 68113 WE ARE SENDING YOU ATTACHED UNDER SEPARATE COVER VIA THE FOLLOWING ITEMS ☐ Prints ☐ Plans ☐ Samples ☐ Specifications ☐ Shop Drawings ☐ Change Order Bryant Mill Pond Site Visit Report ☐ Copy of Letter COPIES DATE NO. DESCRIPTION February 3, 1998 Site Visit Report with Attachment THESE ARE TRANSMITTED as checked below: Resubmit copies for approval. ☐ For approval Approved as submitted Approved as noted Submit copies for distribution □ For your use As requested Returned for corrections Return _____ corrected prints. □ For review and comment PRINTS RETURNED AFTER LOAN TO US. ☐ For bids due REMARKS Matthew T. Was

Brad Stimple

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